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Determination of Colour Fastness of Dyed Paper and Board Intended to Come into Contact with Foodstuffs

与食品接触染色纸和纸板色牢度的测定

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard was proposed by China Light Industry Council.

This Standard shall be under the jurisdiction of Technical Subcommittee of Paper Products, National Technical Committee for Standardization of Materials and Products Direct Contact with Foodstuffs (SAC/TC 397/SC 3).

Drafting organizations of this Standard: National Center of Quality Supervision and Testing for Pulp and Paper Products, Putian Product Quality Inspection Institute, and China National Pulp and Paper Research Institute.

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Determination of Colour Fastness of Dyed Paper and Board Intended to Come into Contact with Foodstuffs

1 Scope

This Standard specifies the two methods for determination of colour fastness of dyed paper and board intended to come into contact with foodstuffs.

Method A in this Standard is applicable to the determination of colour fastness of dyed paper and board (such as food packaging paper) intended to come into long-term contact (contact time $\geq 24\text{h}$) with foodstuffs; while Method B is applicable to the determination of colour fastness of dyed paper and board (such as napkins, and kitchen paper) intended to come into short-term contact (contact time $< 24\text{h}$) with foodstuffs.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 251 Textiles - Tests for Colour Fastness - Grey Scale for Assessing Staining

GB/T 450 Paper and Board - Sampling for Testing and Identification of Machine and Cross Direction Wire Side and Felt Side

GB/T 461.1 Paper and Board - Determination of Capillary Rise (Klemm Method)

3 Principle

Contact the specimen and tested solution with the glass fiber paper completely immersed for 10 min; place them for a certain period under certain pressure; compare the stained glass fiber paper (test sample) with the blank sample, and use the gray scale to assess the grade. Select the test solution as per the paper usage; the test solution contains distilled water or deionizer water, dilute acetic acid, saliva simulant, isooctane or olive oil.

NOTE: in this Standard, the specimen indicates the tested dyed paper or board. Blank sample

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